

REMARKS

STATUS SUMMARY

Claims 1-33 are pending in the present application. Claims 1, 3, 7-10, 12, 19, 21-23, 30, 32 and 33 have been amended to be more clear and distinct. The Office Action objected to the drawings because "GPS RF Receiver" is misspelled in FIG. 7. The Office Action rejected claim 1 under 35 U.S.C. § 112, second paragraph, as being assertedly indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The Office Action rejected claims 1-33 under 35 U.S.C. § 102(e) as assertedly being anticipated by Hanshew et al., U.S. Patent No. 6,795,770 ("Hanshew") or Koshiji et al., U.S. Published Patent Application No. 2004/0193371 ("Koshiji") or Krasner U.S. Patent No. 6,816,111 ("Krasner"). The Office Action further rejected claims 1-33 under 35 U.S.C. § 102(b) as assertedly being anticipated by Kuo et al., U.S. Patent No. 5,148,002 ("Kuo"). Applicant has considered the above-identified Office Action and cited references, and replies as set forth below.

OBJECTION TO DRAWINGS

The Office Action objects to the drawings because "GPS RF Receiver" is misspelled in FIG. 7. A drawing sheet is enclosed that includes FIG. 6 and FIG. 7, having a corrected spelling of "Receiver" in FIG. 7 and labeled "Replacement Sheet" in the top margin.

CLAIM REJECTION - 35 U.S.C. § 112

Claim 1 is rejected under 35 U.S.C. § 112 as being assertedly indefinite in the recitation of "from at least one positioning signal from the plurality of positioning signals." Applicant respectfully traverses this rejection in view of the amendments now made above and for the following reasons.

Claim 1 has been amended to be more clear and distinct. The phrase “associated with” in the recitation of claim 1 has been replaced by “including processing”. This amendment is supported by, as an example, the specification at para. [029]. The recitation of a “plurality of positioning signals” provides antecedent basis for “at least one positioning signal” from the plurality. Therefore, Applicant respectfully requests that the rejection under 35 U.S.C. § 112 be withdrawn.

Applicants note that the specification likewise supports analogous amendments made above in claims 9, 10, 21-23, 32 and 33. Claim 7 has been amended to replace “composed of” by – including --. The specification provides support for this amendment, as an example, at para. [026].

CLAIM REJECTION - 35 U.S.C. § 102(e)

Claims 1-33 are rejected under 35 U.S.C. § 102(e) as being assertedly anticipated by Hanshew or Koshiji or Krasner. Applicant respectfully traverses this rejection because the cited references do not teach or suggest each and every element or feature recited in the claims.

Each of the three independent claims 1, 12 and 23 has been amended to be more clear and distinct. Each of these three claims now recites that each function processes ranging signals. This amendment is supported by the specification, which for example states:

The SATPS signals 118, 120 and 122 are ranging signals that may be spread spectrum signals. ... The GPS RF receiver 202 receives the ranging signal (spread spectrum signals in the present implementation) at antenna 116. ... In the active mode, spread spectrum signals are received by the GPS RF receiver 202 and processed according to the selected function (engine, tracker or sensor). See para. [024], lines 4 and 5; para. [028], lines 4 and 5; and para. [030], lines 7 and 8.

Hanshew discloses, as an example, a multi-function, hand-held portable electronic device including a housing, a processor located within the housing, a memory in communication with the processor, and a display in communication with the processor. The electronic device includes an apparatus for performing a first function, and an apparatus for performing a second function. One of the functions includes a navigational component. Hanshew provides for a single device having a navigational component and one or more other functions, such as a PDA function or a cellular phone function. Col. 15, lines 6-32.

Koshiji discloses, as an example, a multi-functional vehicle navigation system and method which provides for the replacement of a visual display directed at navigational features with a visual display directed at non-navigational features such as a favorite photo image. Para. [0001]. In one embodiment the system includes a displaying means, an image acquiring means and a switching means. The displaying means is capable of displaying a navigational image on the vehicle navigation system, and the image acquiring means is capable of acquiring a non-navigational image. The switching means is capable of switching the display of the navigational image on the vehicle navigation system to the display of the non-navigational image on the vehicle navigation system. Para. [0017].

Krasner discloses, as an example, a multiple function portable device for providing cellular communication using a network of cellular stations that operate at predefined ideal cellular frequencies, and also for providing position location using GPS satellites that transmit GPS signals at a predefined GPS frequency. The multi-function portable device comprises a cellular communication system including a first local oscillator that generates a first frequency for demodulating communications with the network of cellular stations, a GPS system including a second local oscillator that generates a second frequency coupled to process the GPS signals, an error prediction and correction system that predicts an error in a next time period responsive to measurements of the first and second frequencies over a plurality of previous time periods, the system also generating a correction signal for the next time period responsive to the predicted error, and a local oscillator in the GPS system

that receives the correction signal and responsive thereto processes the GPS signal during the next time period. Col. 3, lines 27-45; see also for example col. 2, lines 39-49.

Each of Hanshew, Koshiji and Krasner fails to disclose and fails to suggest, as defined in claim 1, a satellite positioning receiver device including a multifunction portion that selectably executes one of a first function and a second function, where each function processes ranging signals and including processing a type of data derived from at least one positioning signal from a plurality of positioning signals.

Each of Hanshew, Koshiji and Krasner fails to disclose and fails to suggest, as defined in claim 12, a method of determining location at a satellite positioning receiver, comprising selecting at a controller a function from a plurality of functions that will be executed by a multifunction portion of the satellite positioning receiver, in which each function processes ranging signals. Each of Hanshew, Koshiji and Krasner fails to disclose and fails to suggest, as defined in claim 12, such a method that further comprises configuring such a multifunction portion of a satellite positioning receiver according to such a function selected, and processing in the multifunction portion at least one of the plurality of positioning signals that results in a type of positioning data.

Each of Hanshew, Koshiji and Krasner fails to disclose and fails to suggest, as defined in claim 23, a computer readable medium having a plurality of instructions for determining a location of a satellite positioning receiver, the plurality of instructions comprising a plurality of instructions for selecting at a controller a function from a plurality of functions that will be executed by a multifunction portion of the satellite positioning receiver, in which each function processes ranging signals. Each of Hanshew, Koshiji and Krasner fails to disclose and fails to suggest, as defined in claim 23, a computer readable medium in which such a plurality of instructions further includes a plurality of instructions for configuring such a multifunction portion of a satellite positioning receiver according to such a selected function, and a plurality of instructions for processing in the multifunction portion at least one of the plurality of positioning signals including a type of positioning data.

Claims 2-11, 13-22 and 24-33 depend from claims 1, 12 and 23, respectively. In view of the foregoing, Applicant respectfully submits that claims 1-33 are patentable under 35 U.S.C. § 102(e) over the references cited in support of this rejection. Therefore, Applicant respectfully requests that the rejection under 35 U.S.C. § 102(e) be withdrawn.

CLAIM REJECTION - 35 U.S.C. § 102(b)

Claims 1-33 are rejected under 35 U.S.C. § 102(b) as being assertedly anticipated by Kuo. Applicant respectfully traverses this rejection because the cited reference does not teach or suggest each and every element or feature recited in the claims.

Kuo discloses, as an example, a multi-functional garment system including an outer shell garment, a sensor detachably coupled to the outer shell for monitoring a physiological parameter of a user, and a control module detachably coupled to the outer shell and to the sensor to provide an indication to the user of the monitored physiological parameter. Col. 2, lines 49-55. A portable GPS receiver may be disposed in the multi-functional garment system to provide location information. Col. 10, lines 63-65.

Kuo fails to disclose and fails to suggest any of claims 1, 12 or 23 for all of the same reasons stated above as to Hanshew, Koshiji and Krasner. As an example, Kuo, like Hanshew, Koshiji and Krasner, fails to disclose and fails to suggest, as defined in claim 1, a satellite positioning receiver device including a multifunction portion that selectably executes one of a first function and a second function, where each function processes ranging signals and includes processing a type of data derived from at least one positioning signal from a plurality of positioning signals. As another example, Kuo, like Hanshew, Koshiji and Krasner, fails to disclose and fails to suggest, as defined in claim 12, a method of determining location at a satellite positioning receiver, comprising selecting at a controller a function from a plurality of functions that will be executed by a multifunction portion of the satellite positioning receiver, in which each function processes ranging signals. As a further example, Kuo, like Hanshew, Koshiji and Krasner, fails to disclose and fails to suggest, as defined in claim 23, a computer readable medium having a plurality of instructions for determining a location of a satellite positioning receiver, the plurality of

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instructions comprising a plurality of instructions for selecting at a controller a function from a plurality of functions that will be executed by a multifunction portion of the satellite positioning receiver, in which each function processes ranging signals.

In view of the foregoing, Applicant respectfully submits that claims 1-33 are patentable under 35 U.S.C. § 102(b) over Kuo. Therefore, Applicant respectfully requests that the rejection under 35 U.S.C. § 102(b) be withdrawn.

CONCLUSION

In light of the above amendments and remarks, it is respectfully submitted that the present application is now in proper condition for allowance, and an early notice to such effect is earnestly solicited.

If any small matter should remain outstanding after the Patent Examiner has had an opportunity to review the above Remarks, the Patent Examiner is respectfully requested to telephone the undersigned patent attorney in order to resolve these matters and avoid the issuance of another Office Action.

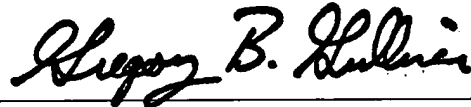
Although it is believed that the appropriate fees are submitted with this transmittal, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to our Deposit Account No. 50-2542.

Respectfully submitted,

THE ECLIPSE GROUP

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